F5800

COMPACT LEAK TESTER

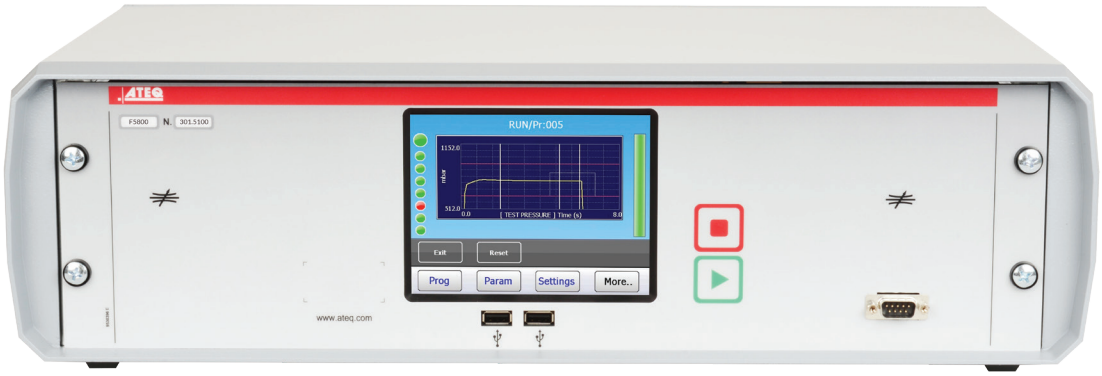
FOR INDUSTRIAL QUALITY CONTROL

The ATEQ F5800 in its industrial format (19" 3U) is the easiest leak detector to operate and integrate into manufacturing operations. Its comprehensive specifications, including ATEQ's latest developments in pressure decay technology, make it an extremely versatile instrument.

The F5800 offers a touchscreen graphical interface to combine great functionality with simplicity of use with simple and intuitive menu-driven operator controls.

HIGHLIGHTS

- → COLOR, TOUCHSCREEN INTERFACE
- → MAXIMUM PERFORMANCE
- → ADVANCED TECHNOLOGY



Applications

AUTOMOTIVE
Shock absorbers, gearboxes, tank caps, carburettors, non return valves, cylinder heads, filters, radiators, seals, cylinders, engine oil and water circuits...

DOMESTIC APPLIANCES
Bottles, percolators, cookers, steam irons, ovens, washing machines...

MEDICAL
Catheters, dialysis equipment, micropipettes, plastic taps, drain bags, syringes, valves...

PACKAGING
aerosol cans and valves, trigger pumps, ink cartridges, cosmestic bottles, food sachets...

ATEQ

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Measurement ranges

TEST PRESSURE MEASUREMENT		
Range	Accuracy*	Max. resolution
F.S. = 75 mbar*	+(1.5% of the P + 0.2 hPa)	0.1% of the full scale
F.S. < 0.3 bar	±(1.5% of the P + 1 hPa)	
0.3 ≤ F.S. ≤ 1 bar	±(1.5% of the P + 3 hPa)	
1 < F.S. ≤ 5 bar	±(1.5% of the P + 7.5 hPa)	
5 < F.S. ≤ 10 bar	±(1.5% of the P + 15 hPa)	
10 < F.S. ≤ 20 bar	±(1.5% of the P + 30 hPa)	
PRESSURE DROP MEASUREMENT		
Range	Accuracy*	Max. resolution
0 - 50 Pa	± (2% of the P + 0.5 Pa)	0.01 Pa
0 - 500 Pa	± (2.5% of the P + 1 Pa)	0.1 Pa
0 - 5000 Pa	± (2.5% of the P + 10 Pa)	1 Pa
ELECTRONIC PRESSURE REGULATION (1 or 2) Vaccum / 1-10 kPa / 5-50 kPa / 20-200 kPa / 50-500 kPa / 100-1000 kPa / 100-1600 kPa / 100-2000 kPa		

*Specific (relative) : F.S. = Full Scale : P = Pressure

Main features

- Differential pressure decay leak measurement
- Large ranges of leak measurement (ΔP) F.S. : 50 Pa, 500 Pa ou 5000 Pa
- 32 programs
- Set-up on-line (via USB port)
- 2 languages (English + other one)
  Manual calibration on front panel with calibrated leak

Environnement

- ROHS standard

Test modes

- ΔP (Pa)
- ΔP/t (Pa/sec)
- Flow units (mm3/s, cm3/s, cm3/min, cm3/h)
- Blockage test
  and others, depending on your applications

Flexible communication format

- RS232: Printer / Bar code reader / Modbus
- Slave USB: Supervision
- Master USB: USB key to transfert (parameters, results, curves, statistics...)
- Ethernet: email alert / Modbus IP
- Option: profibus, devicenet

Technical specifications

Physical	Weight: 15 Kg Dimensions: (WxHxD) 537x381x157 mm
Interface	Graphic touchscreen with simple and intuitive menu-driven operator controls
Electrical supply	90 - 260 V AC / 1.6 A
Air supply	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
Temperature	Operating: + 5°C to + 45°C Storage: 0°C to + 60°C

Options

- 7 inputs / 5 outputs
- Electronic regulator
- Dual pressure
- Automatic calibration check
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external automation

Accessories

- Remote Control
- Y valve
- Ateq software (WinAteq)
- Leak Flow calibrator
- Connectors



Connectors



CDF 60
Leak/Flow Calibrator



Specifications subjects to change witout notice, noncontractual photos. November 2023.

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